DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON NAVY YARD
1322 PATTERSON AVENUE SE SUITE 1000
WASHINGTON DC 20374-5065

IN REPLY REFER TO

31 December 1998

From: Commander, Naval Facilities Engineering Command

Subj: DESIGN AND CONSTRUCTION OVERSIGHT POLICY FOR NAVFAC CONSTRUCTION WORK

Encl: (1) Guidelines for Design and Execution of NAVFAC Construction Work

1. All EFDs, EFAs, PWCs/PWDs and field offices shall ensure that appropriate professional engineering services and proper engineering oversight are provided in the design and execution of construction work under NAVFAC contracts, including contracts awarded by field offices. Recent incidents under delivery order/task order contracts have highlighted a critical need to reemphasize minimum professional engineering participation and oversight for all NAVFAC construction work.

2. Minimum professional guidelines for design and execution of NAVFAC construction are summarized in enclosure (1). Regardless of the contract vehicle used and type of construction work contracted, minimum requirements shall be included in contract documents and statements of work to ensure a sufficient level of professional design, engineering and construction management is provided for all NAVFAC construction.

3. EFDs, EFAs, PWCs/PWDs and field offices shall issue implementing directives or revisions, as appropriate, to ensure proper engineering and contractual oversight, no later than 30 January 1999. NAVFAC points of contact are Dr. Get W. Moy, P.E., Chief Engineer, (DSN 325-9165), and Mr. Robert R. Boyer, Director of Acquisition (DSN 325-9135).

C. R. KUBIC, P. E.
Vice Commander

Subj: DESIGN AND CONSTRUCTION OVERSIGHT POLICY FOR NAVFAC CONSTRUCTION WORK

Distribution:
PACNAVFACENGCOM (00, 02, 04, 50, 16)
LANTNAVFACENGCOM (00, 02, 04, 05, 16)
NORTHNAVFACENGCOM (00, 02, 09X, 09TF)
SOUTHNAVFACENGCOM (00, 02, 07, 05, 16)
SOUTHWESTNAVFACENGCOM (00, 02, 570, 05F, 030)
EFA WEST (00, 02, 02R, T2)
EFA CHESAPEAKE (00, 02, 04, 05)
EFA NW (00, 02, 09A, 15)
EFA MIDWEST (00, 02, 07, 44)
EFA MED (00, 02, 04)
PWC GREAT LAKES (00, 10, 200, 400)
PWC GUAM (00, 10, 200, 400)
PWC NORFOLK (00, 10, 200, 400)
PWC PEARL HARBOR (00, 10, 200, 400)
PWC PENSACOLA (00, 10, 200, 400)
PWC SAN DIEGO (00, 10, 200, 500)
PWC SAN FRANCISCO (00, 10, 200, 400)
PWC YOKOSUKA (00, 10, 200, 400)
PWC JACKSONVILLE (00, 10, 200, 400)
PWC WASHINGTON (00, 10, 200, 40)
NAVFACCO Port Hueneme (27)
NFESC

Copy to (w/encl):
PMAP TEAM
CECOS
NAVFAC CONTRACEN Port Hueneme
COE, NPP/CENWP-CT (Mr. Wight)

GUIDELINES FOR DESIGN AND EXECUTION OF NAVFAC CONSTRUCTION WORK

EFD/PWC Summit meetings were convened in 1996. A standard combined ROICC Field Office Model (Attachment A) was defined and NAVFAC construction work was divided into two types, Type I and Type II, based upon the characterization of the work and the level of engineering and design required to define the work. The Summit agreed that, in general, all construction would be administered from the combined ROICC office. Type I and Type II construction are differentiated by (1) technical complexity, (2) special requirements for quality assurance and quality control, (3) potential for environmental violations and (4) special safety requirements. The proper, sufficient level of professional design, engineering, and construction management shall be provided and minimum requirements outlined in paragraph C shall be included in contract documents and statements of work for all NAVFAC construction. EFD/EFA COs are responsible for final determination of work Type where there are potential conflicts.

A. Definitions:

Construction: All work which, if performed by contract, is subject to the Davis-Bacon Act (DBA). (See DFARS 222.402-70 for clarifying definitions of DBA construction work).

Type I Construction: Type I construction involves sophisticated engineering and design, or requires plans and specifications. Type I construction can be executed under a variety of procurements methods, including Design/Build, Design/Bid/Build, SOC, TOC, and other innovative contracting tools.

- Construction involving structural engineering, fire protection, high voltage electrical work and high-risk safety hazards is Type I regardless of the size or complexity of the project.
- Type I construction is work that would require a licensed Professional Engineer or Registered Architect's seal before a building permit could be obtained.
- Type I construction requires professional engineers (A-E and Government) to design and manage construction.
- EFDs/EFAs are responsible for Type I construction (including Type I construction executed by delivery order/task order contracts) within their AORs.

- Environmental work executed by contract (e.g. CLEAN and RAC) is Type I.

Type II Construction: Type II construction requires limited technical design, and can be executed by delivery order/task order contracts (e.g. JOC, SOC and TOC) or can be executed by PWC or PWD in-house forces.

- Type II construction is less sophisticated maintenance work with incidental construction and cosmetic renovation.
- Type II construction is work that could receive a building permit without a licensed Professional Engineer or Registered Architect seal.

NOTE: Design and construction involving asbestos or lead containing materials may be Type I or Type II but requires design and construction oversight by EPA/HUD accredited government and contractor personnel.

B. Acquisition Planning: Effective Acquisition Planning includes selection of the procurement method that provides the best solution (meets operational needs, within budget, at lowest life cycle cost) to our clients' requirements, and is safe to construct, operate and maintain. This process must incorporate the proper level of engineering and post contract award oversight. Minimum engineering, building life safety and construction safety criteria must not be compromised by pressure to provide fastest delivery and/or lowest cost. A Professional Engineer (P.E.) or Registered Architect (R.A.) representing the EFD/EFA Engineering Director should participate in the PWC/PWD Acquisition Planning process.

C. Formulation of Contract Documents: Minimally, all NAVFAC construction contracts shall include applicable NAVFAC guide specification provisions for quality control, safety and environmental controls, and shall incorporate contract Construction Quality Management (CQM) requirements defined by NAVFAC P-445, Construction Quality Management Plan (QMP), (current version January 1988, presently being revised for publication in March 1999).

D. Design Phase: Professional engineer/architect design and design oversight shall be provided for all Type I construction and applicable Type II construction:

1. Type I construction: EFD/EFA Engineering Directors shall ensure, via their implementing directives of this guidance, that minimum engineering, building life safety and construction safety criteria are maintained in all Type I construction projects. Type I contract documents will include drawings with responsible designer's professional seal applied.

2. Type II construction: OICC/ROICC (contracting officer and engineer) or P.E./R.A. representative of the EFD/EFA or PWC Engineering Director shall decide, based upon engineering judgment, whether specific Type II construction projects require engineering/design by a licensed Professional Engineer or Registered Architect.

E. Construction Phase: For all NAVFAC construction, Type I and Type II, construction management, field surveillance and quality assurance oversight shall be provided by personnel qualified as required by NAVFAC P-445. These personnel include AROICCs, AREICCs, Construction Management Engineers or Project Engineers, Engineering Technicians and Construction Representatives.

Attachment
A. ROICC Field Office Model

ROICC Field Office Model